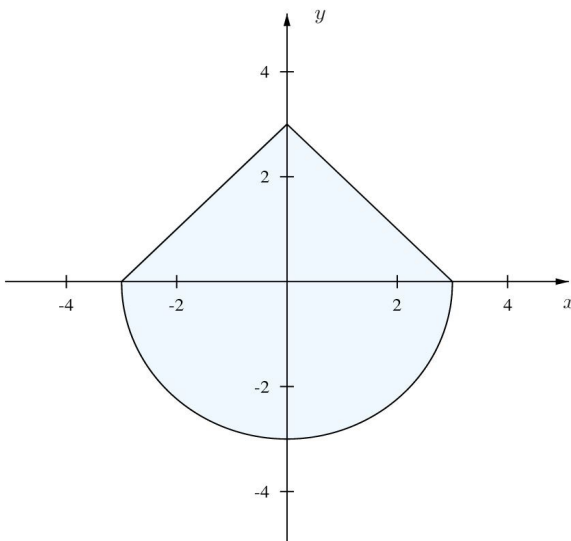
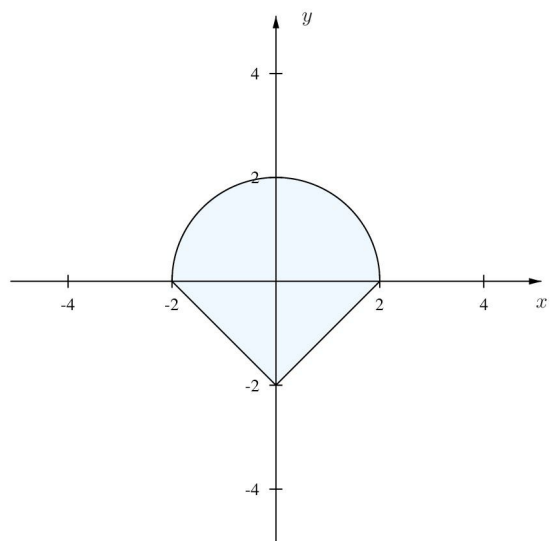


Výsledky ZZK 2018

	T-A	T-B
1a)	96	54
1b)	$V = 72x - 6x^3$	$V = 18x - \frac{2x^3}{3}$
2)	$t = 2 \cdot \ln \frac{200}{13}$	$k = \frac{1 + \ln 32}{100}$
3)	$D_f = (-3; 0) \setminus \left\{ \frac{-5}{2}; \frac{3}{2}; -\frac{1}{2} \right\}$	$D_f = (0; 3) \setminus \{1; 2\}$
4)	$x_1 = \pm \frac{2\pi}{3} + 2k\pi \quad x_2 = \frac{\pi}{2} + 2n\pi$ $n, k \in \mathbb{Z}$	$x_1 = \pm \frac{2\pi}{3} + 2k\pi \quad x_2 = \frac{3\pi}{2} + 2n\pi$ $n, k \in \mathbb{Z}$
5)	$[x; y] = [3; -2]$	$[x; y] = [4; 8]$
6)	$3 \cdot 4! + 5!$	$\frac{7!}{3!} - \frac{6!}{3!}$
7)	$\frac{\sqrt{2}}{5} - \frac{2}{5}i$	$\frac{\sqrt{3}}{7} - \frac{i}{7}$
8)	$a = -5$	$b = -\frac{3}{2}$
9)	$y = \frac{5}{2-x} - 1$	$y = \frac{4}{2-x} + 1$
10)	 <p>$S = \frac{9}{2}\pi + 9$</p>	 <p>$S = 2\pi + 4$</p>